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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

O I P E JC10
NOV 14 2002
PATENT & TRADEMARK OFFICE

In re Application of:
MAITLAND, et al.

Serial No.: 09/508,874

Filed: 8 June, 2000

For: ELECTRICALLY CONDUCTIVE NON-AQUEOUS WELBORE FLUIDS

Group Art Unit: 1712

Examiner: P. Tucker

Atty. Dkt. No.: 11836.0689.PCUS00

RESPONSE TO OFFICE ACTION

EXPRESS MAIL MAILING LABEL

EL830940763US

NUMBER
DATE OF DEPOSIT 14 November 2002
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington D.C. 20231.

Barbi Sofia
Signature

Commissioner for Patents
Washington, D.C. 20231

In response to the Office Action dated 14 August 2002, Applicants hereby request the following:

Please make the following amendments:

IN THE CLAIMS:

C1

38. (Twice Amended) A wellbore fluid of the water-in-oil emulsion type comprising a discontinuous aqueous or brine phase, solids, a water immiscible organic liquid OL, and having a non-aqueous continuous liquid phase that comprises a polar organic liquid POL which exhibits a dielectric constant of at least about 5.0 and a Hildebrand Solubility Parameter of at least about 17 ($J \text{ cm}^{-3}$) $^{1/2}$ so that the liquid phase exhibits an electrical conductivity of not less than $10 \mu\text{S m}^{-1}$ at 1 kHz, wherein the non-aqueous liquid phase further comprises a dissolved component (DC) selected from: water; inorganic salts wherein the anion(s) is (are) a conjugate base of an acid

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